



REMARKS

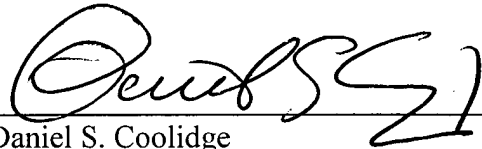
Attached is a marked-up version of the changes being made by the current amendment.
Applicant requests that the changes be entered.

Applicant asks that all claims be examined. No new matter has been added. Enclosed is a \$206 check for excess claim fees for seven additional dependent claims and one additional independent claim. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

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Version with markings to show changes made

In the specification:

On page 1, immediately below the title, insert the following paragraph:

--COPYRIGHT NOTICE

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Replace the paragraph beginning at page 3, line 3 with the following rewritten paragraph:
--Graphical functions allow a user to use a diagram to visually represent a procedure performed by a function in a statechart system. A diagrammatic representation of the function procedure can be easier to understand and modify than a textual representation. In a statechart system which includes built-in state diagram parsing capabilities, the parser may be used to check the diagram for errors. A statechart system's diagram animation and debugging capabilities can be used to step through the graphical function to find errors.--

At page 3, line 3 delete the first instance of "represent" and after "visually" insert --
represent--.

At page 6, line 4 delete "charts" and insert --statecharts--.

At page 6, line 5, insert after "are" --,-- and after "course" --,--.

At page 6, line 16, after "manner" insert --,--.

At page 6, line 18, after "invocation" delete "is".

At page 6, line 19 delete after rules "a".

At page 6, line 24 delete after "function" ",,".

At page 6, line 26, delete ",," after "recursive".

At page 8, delete line 23.

At page 8, line 24, replace "iii" with --ii--.

At page 8, line 26, replace "scop" with --scope--.

At page 8, line 27 replace "iv" with --iii--.

At page 8 line 32, replace "v" with --iv--.

The following claims have been added:

1 26. The method of claim 24 wherein the function prototype defines a textual format for
2 invoking the function.

1 27. The method of claim 26 wherein the graphical representation of the finite state
2 machine includes at least one invocation of the function using the defined textual format.

1 28. The method of claim 24 further comprising shadowing a function, wherein shadowing
2 comprises using in a function invocation a function definition closest to the point of invocation
3 of the function in a state diagram hierarchy.

1 29. The method of claim 24 wherein the function is exportable by a statechart and may be
2 invoked anywhere in the finite state machine in which the chart appears, including other charts
3 that define the finite state machine.

1 30. The method of claim 24 wherein the emulation comprises computer code generation.

1 31. The method of claim 24, wherein the graphical representation of the function
2 comprises a function prototype defining a textual format for invoking the function; and
3 wherein the graphical representation of the finite state machine includes an invocation of
4 the function using the defined textual format.

1 32. A computer readable medium having encoded thereon instructions for
2 causing a computer system to--
3 receive through a graphical user interface a graphical representation of a finite state
4 machine including a graphical representation of a function; and
5 emulate the represented finite state machine.

1 33. The computer readable medium of claim 32, wherein the graphical representation of
2 the function comprises a function prototype defining a textual format for invoking the function;
3 and
4 wherein the graphical representation of the finite state machine includes an invocation of
5 the function using the defined textual format.